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**[PDF] A digital quadrature modulator with on-chip d/a converter - Solid ...**

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.. As mentioned, the **quadrature** modulation in (2) is performed by the negators and  
 l ... The digital **modulator** magnitude responses in the low-pass, band-pass, and ...

[www.ecdl.hut.fi/~jvan/dds3\\_files/qammod.pdf](http://www.ecdl.hut.fi/~jvan/dds3_files/qammod.pdf) - [Similar pages](#)

**[PDF] A Digital Quadrature Modulator with On-chip D/A Converter**

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... 3. The **passband** of the first half-band filter ... maximum output frequency of the complex  
**modulator** in Fig. ... of the input sampling rate of the **quadrature modulator**. ...

[www.ecdl.hut.fi/~jvan/dds3\\_files/sommarek\\_esscirc2003.pdf](http://www.ecdl.hut.fi/~jvan/dds3_files/sommarek_esscirc2003.pdf) - [Similar pages](#)

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An 802.11 DSSS system simulation

.. The output of the **quadrature modulator** goes to a SAW ... dB Insertion loss: = 10.0 dB  
 max **Passband** delay: = 0.234 ... The **filter** specification lists a maximum loss of ...

[design.com/mag/radio\\_dsss\\_system\\_simulation/](http://design.com/mag/radio_dsss_system_simulation/) - 43k - [Cached](#) - [Similar pages](#)

Easy Fourier Analysis

.. Figure 12 - A **passband filter** after DSB-SC modulation ... Figure 14 - SSB **Modulator** using  
 the Phasing method. ... in this way is essentially two signals in **quadrature**. ...

[www.complextoreal.com/base.htm](http://www.complextoreal.com/base.htm) - 101k - [Cached](#) - [Similar pages](#)

Mixers in Communications

.. and y(t) modulate the two **quadrature** components of ... The double balanced **modulator**  
 with two inputs at frequencies ... high as 768,019 for 0.1 dB **passband** ripple, and ...

[members.tripod.com/michaelgellis/mixerscom.html](http://members.tripod.com/michaelgellis/mixerscom.html) - 37k - [Cached](#) - [Similar pages](#)

**[PDF] University of California, Santa Barbara**

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.. **Passband** filtering: implementing a **passband filter** in the ... in-phase and **quadrature**  
 components for ... **Modulator** implementations: knowing circuit and mathematical ...

[www.ece.ucsb.edu/courses/syllabi/coursesyllabi/CCSP146AMadhow.pdf](http://www.ece.ucsb.edu/courses/syllabi/coursesyllabi/CCSP146AMadhow.pdf) - [Similar pages](#)

**[PDF] Evaluation Board Analog Output Functions and Characteristics**

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.. 100 MHz of flat RF **passband** pre-distortion ... differential DC-coupled low-pass **filter**  
 and buffer ... the inputs of contemporary analog **quadrature modulator** RFICs such ...

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**[PDF] Reducing The Minimum Decimation Factor Of The HSP50016 Digital ...**

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... Once the center of the band of interest is shifted to DC by the **quadrature modulator**,  
 the real and imaginary ... The FIR **filter's** **passband** compensates for the ...

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CommsDesign - Building Multi-Carrier TD-SCDMA Transmit ...

.. simultaneously enhancing the DAC **passband** noise/distortion ... the reconstruction analog  
**filter** that follows the ... when combined with an analog **quadrature modulator**. ...

[www.commsdesign.com/design\\_corner/showArticle.jhtml?articleID=16505513](http://www.commsdesign.com/design_corner/showArticle.jhtml?articleID=16505513) - 59k - [Cached](#) - [Similar pages](#)

### CSD July 2000 Feature: Carrier Synchronization Techniques For DSP ...

... at time increments of  $T_k$ , a **modulator** forms a ... center frequency offset, the receiver's **passband** bandwidth must ... received signal  $r(t)$  with **quadrature** versions of ...

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### PDF] HSP50307

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.. The synthesizer generates the **quadrature** LO's ... 60 dBc/Hz QPSK **Modulator** Carrier Suppression ... I/Q Phase Imbalance - - 2.0 Degree QPSK **Passband** Amplitude Ripple ...

[www.sss-mag.com/pdf/fn4219.pdf](http://www.sss-mag.com/pdf/fn4219.pdf) - [Similar pages](#)

### QPSK - PN Gen Interfacing & Tricks from Spread Spectrum Scene ...

... standard Mini-Circuits discrete DBMs, **Quadrature** Hybrids and ... flat group delay in the filters **passband**. ... no IF bandpass filtering was used with this **modulator**. ...

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### PDF] AD8345 250 MHz–1000 MHz Quadrature Modulator

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.. MA 02062-9106, USA Tel: 781/329-4700 [www.analog.com](http://www.analog.com) Fax: 781/326-8703 © Analog Devices, Inc., 2001 250 MHz–1000 MHz **Quadrature Modulator** FUNCTIONAL BLOCK ...

[www.analog.com/UploadedFiles/Data\\_Sheets/772706020AD8345\\_0.pdf](http://www.analog.com/UploadedFiles/Data_Sheets/772706020AD8345_0.pdf) - [Similar pages](#)

### Analog Devices: Analog Dialogue: High Performance Narrowband ...

... interferer falling outside of the **passband** of the ... switched-capacitor, multi-bit **modulator** consisting of ... CLK /8 complex (or **quadrature**) demodulator, followed ...

[www.analog.com/library/analogDialogue/archives/35-03/AD9870/](http://www.analog.com/library/analogDialogue/archives/35-03/AD9870/) - 23k - Sep 29, 2004 - [Cached](#) - [Similar pages](#)

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### Amplitude modulation on GlobalSpec

.. The RF2480 is a monolithic integrated **quadrature modulator** IC capable ... 50's provide finger-tip control of **filter** type, (low-pass, high-pass, band-pass, and ...

[industrial-computers.globalspec.com/Industrial-Directory/amplitude\\_modulation](http://industrial-computers.globalspec.com/Industrial-Directory/amplitude_modulation) - 58k - [Cached](#) - [Similar pages](#)

### PDF] A Direct Digital Synthesizer with Tunable Delta Sigma Modulator

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.. The **passband** of the analog **filter** is tuned ... **Quadrature Modulator** The frequency modulation could be superimposed on the hopping carrier by simply adding and ...

[www.ingenta.com/isis/searching/Expand/ingenta?pub=infobike://klu/alog/2004/00000038/00000001/05146668](http://www.ingenta.com/isis/searching/Expand/ingenta?pub=infobike://klu/alog/2004/00000038/00000001/05146668) - [Similar pages](#)

### PDF] Flexible Digital Receiver Architecture with Optimized Components

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... mirror signals are avoided by **quadrature** signal processing so ... Thus a  $\Delta\Sigma$ -**modulator** was developed using a ... delay distortion may be introduced in the **pass-band**. ...

[www.ingenta.com/isis/searching/Expand/ingenta?pub=infobike://urban/541/2001/00000055/00000006/art00061](http://www.ingenta.com/isis/searching/Expand/ingenta?pub=infobike://urban/541/2001/00000055/00000006/art00061) - [Similar pages](#)

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.. would require a large number of **filter** taps (in ... the phase of frequencies within its **passband** by 90 ... In a **quadrature modulator** system, the low frequency rolloff ...

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### PDF] Passive Differential IF Filters for the MAX2360/61 Transmitter ICs

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.. IF frequency synthesizer, IF **quadrature modulator**, image reject RF ... that the desired

F **pass band** in not ... reasonable, and slightly modified **filter** design methods ...  
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.. will be determined primarily by the **pass- band** compensation required ... 4. **Passband**  
 details. 3 ... for a high-speed all-digital **quadrature modulator** and demodulator ...  
[www.engr.umbc.edu/~jeffc/pubs/papers/mwscas99eq.pdf](http://www.engr.umbc.edu/~jeffc/pubs/papers/mwscas99eq.pdf) - [Similar pages](#)

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... demodulation almost always employ uniform and/or **quadrature** sampling [5 ... for the  
 piecewise-constant-impulse- response equivalent **modulator filter**, except that ...  
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**PDF] CDMA Waveform Generation for Digital Radios George Aliftiras ...**

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.. q (k) are the in-phase and **quadrature** components of ... Cascaded pulse shaping and  
 half-band filters for **modulator**. ... To reduce the ACLR, the **passband** energy must be ...  
[www.sigtek.com/whitepapers/CDMA\\_Waveform\\_Generation.pdf](http://www.sigtek.com/whitepapers/CDMA_Waveform_Generation.pdf) - [Similar pages](#)

**AccelWare DSP Block Libraries**

.. aw\_fastconv, Fast convolution (frequency domain **filter**). aw\_hilbert, Hilbert transform. ...  
 iw\_quadmod2x, Programmable IF **passband quadrature modulator**. ...  
[www.ict.com.tw/ICDesign/accelchip/block%20libraries.htm](http://www.ict.com.tw/ICDesign/accelchip/block%20libraries.htm) - 61k - [Cached](#) - [Similar pages](#)

**Douglas T. Smith Editorial Services**

.. called I and Q, for in-phase and **quadrature**, respectively ... carrier from a dc offset  
 in the **modulator**; however, it ... a tone at the center of the **passband** from such ...  
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**Reducing the component count in Bluetooth systems (full)**

.. produces a 10MHz signal in the **pass band** that cannot ... the receiver's front end **passband** -  
 close to ... generates FM by using a **quadrature modulator**, which means ...  
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**PDF] BandPass Sigma\_Delta modulator at IF stage**

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.. very simple and robust digital **quadrature** demodulation ... given by the baseband to **passband**  
 transformation we ... 4 shows two possible applications for our **modulator**. ...  
[www.mit.edu/~dluca/publications/daniel\\_proj\\_1998\\_passband\\_sigmadelta.pdf](http://www.mit.edu/~dluca/publications/daniel_proj_1998_passband_sigmadelta.pdf) - [Similar pages](#)

**HD155101F Single-Chip RF Block Signal-Processing IC**

.. second mixer, **quadrature** demodulator, and **quadrature modulator** are generated ... This  
 implements a **filter** that has the ... frequency and its vicinity as the **pass band**. ...  
[www.hitachi.com/New/cnews/E/1997/970217B.html](http://www.hitachi.com/New/cnews/E/1997/970217B.html) - 15k - [Cached](#) - [Similar pages](#)

**PDF] Quadrature Mirror Filters**

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.. this way, we can create a **quadrature** (out-of ... sinusoidal **modulator**, but if a real  
**modulator** signal is ... dB) ----- Magnitude = 1 for most of the **pass band**. ...  
[2pi.com/PAPERS/wavelet/QMF\\_Hilbert.pdf](http://2pi.com/PAPERS/wavelet/QMF_Hilbert.pdf) - [Similar pages](#)

**PDF] Integrated networking**

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.. signal levels encoder **modulator** - Modulated signals ... distortions Decision region  
**quadrature** modulation system ... interference n(t) **Passband filter** Hilbert **passband** ...  
[www.cvn.columbia.edu/ELENE6905/E6905\\_3.4.04handout.pdf](http://www.cvn.columbia.edu/ELENE6905/E6905_3.4.04handout.pdf) - [Similar pages](#)

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... signal signal levels encoder **modulator** - Modulated signals ... **Quadrature** modulation system  $\cos(2\pi f_c t) \sin \dots$  and interference  $n(t)$  **Passband filter** Hilbert **passband** ...  
[www.cvn.columbia.edu/ELENE6905/E6905\\_3.4.04.pdf](http://www.cvn.columbia.edu/ELENE6905/E6905_3.4.04.pdf) - [Similar pages](#)

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.. Reintroduces the image problem 1 2 3 N 1 2 3 N 3 RF **Filter** Receive Signal ... 2I LO 2I  
 .O 2Q LO 2Q I Q f LOa f RF f Desired f Image Rejection Band **Pass Band** f LO1b ...

[abuki.eecs.berkeley.edu/~jrudell/slides/taiwan/taiwan2.pdf](http://abuki.eecs.berkeley.edu/~jrudell/slides/taiwan/taiwan2.pdf) - [Similar pages](#)
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... f IF f IF f IF **passband** of the IF ... filtering is required by the RF frontend **filter**  
 after the ... Like the two step transmitter, a **quadrature modulator** trans- lates ...  
[kabuki.eecs.berkeley.edu/~jrudell/papers/lowpow/lowpow.pdf](http://kabuki.eecs.berkeley.edu/~jrudell/papers/lowpow/lowpow.pdf) - [Similar pages](#)

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.. Baseband to IF) Source Data Format **Quadrature Modulator** LO I Q I ... Attenuators Drive  
 Sckt for **Modulator** ... and possible interferers aliased into **passband**?--How much ...

[www.ittc.ku.edu/RDRN/papers/thesis/killooy\\_thesis\\_slide\\_061999.pdf](http://www.ittc.ku.edu/RDRN/papers/thesis/killooy_thesis_slide_061999.pdf) - [Similar pages](#)
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... 43 **Quadrature Modulator** .....43 240 MHz PLL ...

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.. measurements at the edge of a **filter pass-band** or at ... minimized system phase drift  
 by using a **modulator** that was designed to operate at **quadrature** without a ...

[www.boulder.nist.gov/div815/81503\\_pubs/DRGDDocs/Dennis-OFC-02.pdf](http://www.boulder.nist.gov/div815/81503_pubs/DRGDDocs/Dennis-OFC-02.pdf) - [Similar pages](#)
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.. space by plotting its in-phase component versus its **quadrature** component Block ... Baseband  
**modulator**, M-FSK Baseband Demodulator, M-FSK **Passband Modulator**, and M ...

[www.mathworks.com/access/helpdesk\\_r13/help/pdf\\_doc/commblks/rn.pdf](http://www.mathworks.com/access/helpdesk_r13/help/pdf_doc/commblks/rn.pdf) - [Similar pages](#)
amod (Communications Toolbox)

... Analog **passband modulator**. ... The function amod performs analog **passband** modulation ...  
 in-phase components and the even-numbered columns represent **quadrature** components ...

[www.mathworks.com/access/helpdesk\\_r13/help/toolbox/comm/amod.html](http://www.mathworks.com/access/helpdesk_r13/help/toolbox/comm/amod.html) - 17k - [Cached](#) - [Similar pages](#)
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.. 3-8 Old Models Using the Baseband or **Passband** SSB Modulators ... Block Purpose Gaussian

**filter Filter** the input signal, possibly downsampling, using a Gaussian FIR ...

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A 9 MHz Digital SSB Modulator

.. down converter with the classic multiplier/**quadrature** direct digital ... In the SSB Weaver  
**modulator** the suppression of ... flat response in the **pass band**, FIR filters ...

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.. races." The outputs of the **quadrature** driven structures ... setting via the vector **modulator**, corresponding to ... oscillation to any part of the **filter pass band**. ...

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**Mimix Broadband**

... phase-shifter, a Lange coupled **quadrature** generator, a ... our innovation of adding a vector **modulator** to the ... frequency of oscillation over the **pass-band** of the ...

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..  $2 = b n T$   $T = b T$  **modulator** 10101..01 ... PB.10 M-ary signaling In **passband** transmission, we ... also combine different methods: M-ary **quadrature**-amplitude modulation ...

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..  $2 = b n T$   $T = b T$  **modulator** 10101..01 ... PB.20 M-ary signaling In **passband** transmission, we ... also combine different methods: M-ary **quadrature**-amplitude modulation ...

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.. phase" or "I") and imaginary ("quadrature phase" or ... placed somewhat outside the required **pass-band**, it is ... gates Area of IQ-(de)**modulator** 5596 gates ...

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**PDF] PRECISION 6772**

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.. **Quadrature** multiplication produces two identical **modulator** outputs differing ... BW/2) 3W Filters **Modulator** O Filter (Fc ... Page 3 BBT1 **PASS-BAND** AMPLITUDE RESPONSE 0 ...

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**1776B Translators**

... and combines the in-phase and **quadrature** components of a ... bandwidth is only 1.8, and the **pass-band** ripple is ... When cal is enabled, the **modulator** clock is stopped ...

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**TechOnLine - Decimation Stages with WDFs for Flexible Digital ...**

.. broadband receive signal after **quadrature** downconversion in ... shows considerably improved performance in the **pass band**. ... order delta-sigma-**modulator** that requires ...

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**PDF] An Integrated MEMS-BiCMOS SINCARS Transceiver**

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.. bit DAC  $f_s = 64\text{kHz}$  **Quadrature Modulator** Q I ... BW = 100MHz Image Reject Filter **Quadrature** Oscillator 117.875 ... a properly flattened **passband**, termination resistors ...

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**Transmitter & Receiver Architectures:**

.. Combined **Modulator**/Amplifier. ... design is mixed down about zero Hz, **quadrature** versions of ... with very high order (highly selective) filters with variable **passband**. ...

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tusoft Newsletter, July 2002, Filter Library Updated

.. There are a variety of **pass-band** ripple and ... Voltage Controlled Oscillator **Modulator**  
 o generate a test ... sine and cosine signals to implement **quadrature** detection ...  
[www.intusoft.com/nlhtml/nl67.htm](http://www.intusoft.com/nlhtml/nl67.htm) - 38k - [Cached](#) - [Similar pages](#)

PDF] Application Note AN137F A QPSK Direct Sequence Spread Spectrum ...

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.. (In reality the LO for the **quadrature modulator** is external ... was part of the IC.)  
 The **quadrature** modulated 280 ... a 17 MHz wide SAW bandpass **filter** before entering ...  
[www.elanix.com/pdf/an137f.pdf](http://www.elanix.com/pdf/an137f.pdf) - [Similar pages](#)

[PDF] Application Note AN116B A Comparison of two Direct Sequence Spread ...

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... SAW **Filter** Simulation The output of the **quadrature modulator** goes to a ... dB Insertion  
 loss 10.0 dB max **Passband** delay 0.234 usec The SAW **filter** is modeled ...  
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.. measures an orthogonal **quadrature**:  $\{ \int - dt NT \dots \}$  based **filter** that provides a  
 ctangular **pass-band filter**. ... 3 Mach- Zehnder **modulator** (MZM) pulse ...  
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.. The **quadrature** IF circuitry is implemented in a 0.35- m ... The return-to-zero effect  
 duces the **pass- band** gain of ... a) Full-span output spectrum of the **modulator**. ...  
[www.ee.ust.hk/~mchan/pub/Journal/jssc\\_03\\_05.pdf](http://www.ee.ust.hk/~mchan/pub/Journal/jssc_03_05.pdf) - [Similar pages](#)

PDF] MGCM01 TDMA/AMPS Baseband Interface Data Sheet

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.. I/Q Mode) Input signal Gain I/Q gain matching I/Q **quadrature** accuracy I/Q ... signals  
 Receive (FM Mode) Input signal Audio output Receive **Filter** (Bandpass) Centre ...  
[assets.zarlink.com/DS/zarlink\\_MGCM01\\_DEC\\_02.pdf](http://assets.zarlink.com/DS/zarlink_MGCM01_DEC_02.pdf) - [Similar pages](#)

QRP2001 main board

.. **Filter** at the RF input frequency with the **pass band** set by C13 ... polyphase **filter** will  
 be in accurate phase-**quadrature** ready to feed a phasing-style **modulator**. ...  
[www.qrp2001.freemove.co.uk/mainboard.htm](http://www.qrp2001.freemove.co.uk/mainboard.htm) - 11k - [Cached](#) - [Similar pages](#)

Truetime 468-DC GOES Receiver

.. then to the two balanced **modulator**/demodulators U2 ... provide both in-phase and **quadrature**  
 ference signals ... the received signal in the 4.5 MHz **filter passband**. ...  
[www.leapsecond.com/museum/468-dc/theory.htm](http://www.leapsecond.com/museum/468-dc/theory.htm) - 18k - [Cached](#) - [Similar pages](#)

PPT] Tyst och säker radio

File Format: Microsoft Powerpoint 97 - [View as HTML](#)

.. GMSK (Gaussian Minimum Shift Keying). QAM (**Quadrature** Amplitude Modulation. Modulation  
 methods - fading signals. ... **Pass band**. **filter**. ... **Modulator**. Frequency hopping. ...  
[www.control.isy.liu.se/~fredrik/score/score4.ppt](http://www.control.isy.liu.se/~fredrik/score/score4.ppt) - [Similar pages](#)

Benefits of SMC-Based Arbitrary Waveform Generators for I/Q Signal ...

.. An NI 5421 achieves  $\pm 0.25$  dB **passband** flatness to 40 ... form) components to test a  
 polar-based digital **modulator**. ... can add impairments such as **quadrature** skew and ...  
[one.ni.com/devzone/conceptd.nsf/webmain/86B3AB7445A021C386256E89005D2BC6](http://one.ni.com/devzone/conceptd.nsf/webmain/86B3AB7445A021C386256E89005D2BC6) - 57k - [Cached](#) - [Similar pages](#)

Compound Semiconductor - Products - Mimix targets SATCOM with HBT ...

.. phase-shifter, a Lange-coupled **quadrature** generator, a ... our innovation of adding a **modulator** to the ... frequency of oscillation over the **pass-band** of the ...  
[www.compoundsemiconductor.net/press/7374](http://www.compoundsemiconductor.net/press/7374) - 13k - Sep 29, 2004 - [Cached](#) - [Similar pages](#)

### PP7] Presentazione di PowerPoint

File Format: Microsoft Powerpoint 97 - [View as HTML](#)

.. Analog processing is limited at the RF front-end (**pass-band filter** + LNA ... 902-928 Hz] or [2.025 – 2.5 GHz]) software selectable **quadrature modulator**, has been ...  
[www.digilab2000.it/pdf/3Gwireless\\_2002\\_Presentation\\_-\\_paper\\_92\\_-\\_29\\_Maggio\\_2002\\_Rel2.ppt](http://www.digilab2000.it/pdf/3Gwireless_2002_Presentation_-_paper_92_-_29_Maggio_2002_Rel2.ppt) - [Similar pages](#)

### PP7] של מצגת PowerPoint

File Format: Microsoft Powerpoint 97 - [View as HTML](#)

.. Frequency shift keying (FSK). **Quadrature** Amplitude (QAM). 54. ... message. Low Pass **filter**. Double Side Band - DSB -SC (demodulator). X. ... Analog **passband modulator**. Syntax ...  
[www.hait.ac.il/staff/commEng/Uri\\_Mahlab/dsp/advancedDSP-1.ppt](http://www.hait.ac.il/staff/commEng/Uri_Mahlab/dsp/advancedDSP-1.ppt) - [Similar pages](#)

### PDF] A frequency-agile single-chip QAM modulator with beamforming ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. Four mixers and a **quadrature** direct digital frequency ... the overall performance of the QAM **modulator**. ... **filter** to compensate for the **passband** droop introduced by ...  
[www.ee.ucla.edu/faculty/papers/samueli\\_jsssc-mar01.pdf](http://www.ee.ucla.edu/faculty/papers/samueli_jsssc-mar01.pdf) - [Similar pages](#)

### PDF] Echo Cancellation

File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. c. An alternative model consisting of a **modulator** followed by **passband** echo channel. ... s crosstalk between the in- phase and **quadrature** channels when ...  
[www.tele.ntnu.no/signal/courses/digkom/20echo.pdf](http://www.tele.ntnu.no/signal/courses/digkom/20echo.pdf) - [Similar pages](#)

### PDF] Almost Linear-Phase Polyphase IIR Lowpass/Highpass Filter Appr

File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. in almost linear-phase IIR **quadrature filter** banks. ... group delay ripples in the **passband** are summarized ... measurement of Sigma-Delta **modulator** performance", IEEE ...  
[www.adaptiv.com/doc/papers/Paper17.pdf](http://www.adaptiv.com/doc/papers/Paper17.pdf) - [Similar pages](#)

### 3G Americas::Unifying the Americas through Wireless Technology

.. The I&Q **modulator** amplitude/ phase **quadrature** accuracy and ... far away from the **passband** which makes it ... the transmitter I&Q indirect **modulator**, the voltage gain ...  
[www.3gamericas.org/English/News\\_room/publishedarticles/tdma-cellular-part2.cfm](http://www.3gamericas.org/English/News_room/publishedarticles/tdma-cellular-part2.cfm) - 25k - [Cached](#) - [Similar pages](#)

### Used test equipment sales and rentals at Metric. Authorized test ...

.. 100 MHz, drive the vector **modulator** directly to ... Simulates impairments such as **quadrature** error and phase ... loss provided the external **filter passband** extends to ...  
[www.metrictest.com/catalog/brands/agilent/hp\\_8782b.jsp](http://www.metrictest.com/catalog/brands/agilent/hp_8782b.jsp) - 18k - [Cached](#) - [Similar pages](#)

### The IFL (InterFacility Link) system at the WB7FID ATV repeater

.. seep of the Audio/Control lowpass **filter passband**: -3db at 9.8 ... audio **modulator**, and the Broadcast Quality audio **modulator**. ... in this case) and a **quadrature** coil. ...  
[www.ussc.com/~uarc/utah\\_atv/rpt\\_is1.html](http://www.ussc.com/~uarc/utah_atv/rpt_is1.html) - 20k - [Cached](#) - [Similar pages](#)

### PDF] A Delta-sigma PLL For 14-b, 50 Ksample/s Frequency-to-digital ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. the added complexity of analog **quadrature** downconversion and ... it does in a second-order **modulator**; it causes ... The maximum **passband** magnitude of the comb **filter** ...  
[spg.ucsd.edu/~galton/publications/j\\_jssc\\_12\\_98\\_1.pdf](http://spg.ucsd.edu/~galton/publications/j_jssc_12_98_1.pdf) - [Similar pages](#)

### PDF] MULTIMODE EXCITER

File Format: PDF/Adobe Acrobat

.. 0.2 dB (40 Hz – 100 KHz) **Filter pass band** frequency 15 ... from nominal Amplitude Imbalance < 0.1 dB **Quadrature** error < 1 ... T Version The DVB-T **modulator** is fully ...

[www.itelco.it/sottopagine/products/analogue/multimodeimage/Multimode\\_ExciterLR.pdf](http://www.itelco.it/sottopagine/products/analogue/multimodeimage/Multimode_ExciterLR.pdf) - [Similar pages](#)

### Electrosys - Official Web Site

... **Filter pass band** frequency, 15 KHz. ... Average **quadrature** error, <1 ... The DAB **modulator** is fully compliant to the ETS 300 401 and ETS 300 799 standard, is provided of ...

[www.itelco.it/sottopagine/products/analogue/multimode.htm](http://www.itelco.it/sottopagine/products/analogue/multimode.htm) - 101k - [Cached](#) - [Similar pages](#)

### Abstract 2003

.. multifunctional (low-pass, high-pass, **band-pass**, **band-reject** and all ... reject and all-pass **filter** design, are ... **modulator** is based on analogue **Quadrature modulator**. ...

[ves.feec.vutbr.cz/UREL/RADIOENG/abstract\\_03.html](http://ves.feec.vutbr.cz/UREL/RADIOENG/abstract_03.html) - 40k - [Cached](#) - [Similar pages](#)

### Signal Processing

.. the I/Q inputs through the **quadrature** networks, combiner ... **Passband** ripple / slope, -0.25 dB,  $\pm 0.3$  dB. ... Bandwidth and Wide Deviation FM **Modulator** Modules – MOD-70 ...

[www.miteq.com/micro/communicationsyst/c33/multifunctionpg27.html](http://www.miteq.com/micro/communicationsyst/c33/multifunctionpg27.html) - 30k - [Cached](#) - [Similar pages](#)

### PDFJ VOL. 84/SEP. 1998

File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. The **filter** has a root Nyquist roll-off ratio of 0.5 that limits the width of the **passband**. The quadrature **modulator** performs direct **quadrature** modulation of ...

[global.mitsubishielectric.com/pdf/advance/vol84/Vol84.pdf](http://global.mitsubishielectric.com/pdf/advance/vol84/Vol84.pdf) - [Similar pages](#)

### PDFJ 3.1 Transmitter The transmitter supports the uplink of the W-CDMA ...

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.. DAC LPF DAC LPF **Quadrature** (Q) Channel Direct (I) Channel AMP - operational amplifier .PF - Low Pass **Filter** AMP AMP AMP AMP 0.5Vpk 0.5Vpk to **modulator** Page 14. ...

[scholar.lib.vt.edu/theses/available/etd-122298-205651/unrestricted/ch3Tx.pdf](http://scholar.lib.vt.edu/theses/available/etd-122298-205651/unrestricted/ch3Tx.pdf) - [Similar pages](#)

### PPTJ Embedded Signal Processing Laboratory at UT Austin

File Format: Microsoft Powerpoint 97 - [View as HTML](#)

.. 5. Senior Real-time DSP Lab Elective. Lab #6: **Quadrature** Amplitude Modulation

Transmitter. ... Impulse **modulator**. Impulse **modulator**. Pulse shaper gT(t). ... **Passband**. Signal ...

[www.ece.utexas.edu/~bevans/talks/nat-inst/EmbeddedDSPNov2003.ppt](http://www.ece.utexas.edu/~bevans/talks/nat-inst/EmbeddedDSPNov2003.ppt) - [Similar pages](#)

### PDFJ A Simple Synchronous-AM Demodulator and Complete Schematics for ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. part of the loop **filter**, removing out-of-**passband** signals from ... DDS, the Analog Devices AD7008, contains a **quadrature** amplitude **modulator**, which is ...

[www.arrl.org/tis/info/pdf/9709qex003.pdf](http://www.arrl.org/tis/info/pdf/9709qex003.pdf) - [Similar pages](#)

### PDFJ COHERENT CW (ARRL2115.txt + bmp images)

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.. on either side of the main **passband** resemble the ... the zero crossing and instruct the output **modulator** to pass ... for the resultant of the **quadrature** channels.) Any ...

[www.njqr.org/ccw/arrl2115/arrl2115.pdf](http://www.njqr.org/ccw/arrl2115/arrl2115.pdf) - [Similar pages](#)

### PDFJ RF2948B

File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. **Quadrature** Amplitude Variation 0 +1 dB Output P1dB 1.2 V ... Transmit **Modulator** and LPF **filter** Gain 0 dB Any setting ... Bessel LPF, Set by BW CTRL **Passband** Ripple 0.1 ...

[www.vallstedt-networks.de/Files/2948B.pdf](http://www.vallstedt-networks.de/Files/2948B.pdf) - [Similar pages](#)

### PDFJ Techniques Simplify Wireless Transmission

File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. They require a larger **pass-band** and a smaller ... As previously mentioned, the complex **modulator** (block B ... would be connected to a **quadrature** upconversion mixer ...

[www.wsdmag.com/Globals/PlanetEE/Content/19066.pdf](http://www.wsdmag.com/Globals/PlanetEE/Content/19066.pdf) - [Similar pages](#)



**PDF] APCO Project 25 STANDARDS FOR PUBLIC SAFETY DIGITAL RADIO**File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. then amplitude modulated, in phase and **quadrature** phase, before ... C4FM Frequency **Modulator**  
 The deviation is +1.8 kHz for ... **filter** is flat over the **pass-band** for  $f$  ...  
[ps.state.co.us/Web%20Content/2004%20ODP%20HSGP/apco-25.pdf](http://ps.state.co.us/Web%20Content/2004%20ODP%20HSGP/apco-25.pdf) - [Similar pages](#)

**SCC95 Advanced Program**

.. Single-sideband **quadrature** modulation is used in a fourth ... A/D converters employ a  
 hird-order **modulator** to relax ... With  $Q=2.8$ , 0.2dB **passband** accuracy is achieved ...  
[www.isscc.org/isscc/1995/ap/tp12.htm](http://www.isscc.org/isscc/1995/ap/tp12.htm) - 5k - [Cached](#) - [Similar pages](#)

**PDF] Wireless Communications for the Robot Soccer**File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. 30 3.9 **Quadrature Modulator**/Demodulator . ... 54 A.5 **modulator** tb.vhd . ... The threshold  
 circuit is simply a low pass **filter**, which is certainly not an optimum way to ...  
[www.itee.uq.edu.au/~dball/robotoos/publications/russell\\_kliese\\_thesis.pdf](http://www.itee.uq.edu.au/~dball/robotoos/publications/russell_kliese_thesis.pdf) - [Similar pages](#)

**PS] Shaping Filter Design for a 155Mbps 64-CAP ATM**File Format: Adobe PostScript - [View as Text](#)

.. and **quadrature** filters of a CAP **modulator** system are ... 1) shows, the bandpass in-phase  
 and **quadrature** filters are ... equiripple FIR **filter** design the **passband** edge ...  
[www.eng.uci.edu/comp.arch/papers/publications/mod37.ps](http://www.eng.uci.edu/comp.arch/papers/publications/mod37.ps) - [Similar pages](#)

**T**

.. elements from the inphase (  $I$  ) and **quadrature** (  $Q$  ) channels ... The output of the FSK  
**modulator** is applied to ... producing flat delay response within the **pass band**. ...  
[www.ist.com/Datasheets/11024/11024eds.htm](http://www.ist.com/Datasheets/11024/11024eds.htm) - 101k - [Cached](#) - [Similar pages](#)

**CAS 2000 Advance Program - Papers by Tracks**

.. Design of FIR Filters with Exceptional **Passband** and Stopband ... Filters using A LADF  
 Sigma-Delta **Modulator** Saman S ... The Design Of Low Delay **Quadrature Mirror Filter** ...  
[scas.epfl.ch/iscas/program/tracks.htm](http://scas.epfl.ch/iscas/program/tracks.htm) - 101k - [Cached](#) - [Similar pages](#)

**PDF] TTHHEE NNEEXXTT GGEENNEERRAATTII OONNS SOOFFTTWWAARREE RRAADDII**File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. CIC **filter** compensates for the **pass band** droop in ... The digital **quadrature** oscillator  
 CO) supplies the sine and ... frequency,  $f_c$ . The **modulator** multiplies the ...  
[www.ics-ltd.com/notes/Notes\\_271248.pdf](http://www.ics-ltd.com/notes/Notes_271248.pdf) - [Similar pages](#)

**amodce (Communications Toolbox)**

.. Analog baseband **modulator**. ... phase signal and whose second column represents the **quadrature**  
 signal ... The plots in the **passband** ( amod ) example show far more obvious ...  
[www.math.mcgill.ca/sysdocs/matlabr12/help/toolbox/comm/amodce.html](http://www.math.mcgill.ca/sysdocs/matlabr12/help/toolbox/comm/amodce.html) - 12k - [Cached](#) - [Similar pages](#)

**PDF] Microsoft PowerPoint - DigitalCom**File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. Page 12. **Modulator** • A Symbol: is defined as any N-dimensional real – valued vector •  
 Orthonormal Basis Functions: A set of N functions constitutes an N ...  
[www.ctr.kcl.ac.uk/lectures/Reza/eem210/slides1.pdf](http://www.ctr.kcl.ac.uk/lectures/Reza/eem210/slides1.pdf) - [Similar pages](#)

**doc] PHY Proposal**File Format: Microsoft Word 6 - [View as HTML](#)

.. **Quadrature Mirror Filter Banks** (QMF) have commuting polyphase ... Modem is a linear mapping  
 from baseband to **passband**. ... CATV a 6Mhz linear baseband **modulator** can be ...  
[ome.knology.net/ieee80214/802\\_14/95-128.doc](http://ome.knology.net/ieee80214/802_14/95-128.doc) - [Similar pages](#)

**PDF] BANDWIDTH-EFFICIENT MODULATIONS**

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.. 3-3 3-3 GMSK Using a **Quadrature Modulator**..... ... the

Output of the Receiver **Filter** for GMSK ...

[www.ccsds.org/documents/413x0g1.pdf](http://www.ccsds.org/documents/413x0g1.pdf) - [Similar pages](#)

### RF Design of a TDMA Cellular/PCS Handset, Part I

.. a 1,930 to 1,990 MHz **passband**, additional attenuation ... The loop-**filter** transfer function is a critical ... An indirect **quadrature modulator** performs the RF carrier ...

[www.rfengineer.cc/dualbandrftdma.htm](http://www.rfengineer.cc/dualbandrftdma.htm) - 40k - [Cached](#) - [Similar pages](#)

### EB 401 ENGINEERING MATHEMATICS

.. Gauss **quadrature** formulae( No derivation for 2 ... low pass, high **pass**, **band pass**, **band stop**, filters ... level treatment)- Amplitude **modulator**, suppressed carrier DSB ...

[www.mec.ac.in/bios4prev.html](http://www.mec.ac.in/bios4prev.html) - 20k - [Cached](#) - [Similar pages](#)

### PDFJ Extraction of In-phase and Quadrature Components by IF-sampling

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.. 2. Figure 2. Analogue **quadrature** demodulator used in the present system. The signals  $I(t)$  and  $x_Q(t)$  can be written as where LPF stands for lowpass **filter**. ...

[lb.s2.chalmers.se/download/masters/master\\_4\\_2001.pdf](http://lb.s2.chalmers.se/download/masters/master_4_2001.pdf) - [Similar pages](#)

### PDFJ Practical GMSK Data Transmission

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...The key-to optimum performance with **quadrature** modulation is ... and Rx carrier frequency accuracy - **Modulator** and Demodulator ... The **passband** of the IF **filter** should ...

[www.eetasia.com/ARTICLES/2003AUG/A/2003AUG29\\_NTEK\\_AN.PDF](http://www.eetasia.com/ARTICLES/2003AUG/A/2003AUG29_NTEK_AN.PDF) - [Similar pages](#)

### PDFJ A 1-V 10-mW Monolithic Bluetooth Receiver in a 0.35- $\mu$ m CMOS ...

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.. In order to generate the required **quadrature** LO signals ... of noise back to the interested **passband** (0.2MHz to ... opamp filters and  $\Sigma\Delta$  **modulator** while maintaining ...

[www.chipidea.com/esscirc2003/papers/esscirc/posters/027\\_379.pdf](http://www.chipidea.com/esscirc2003/papers/esscirc/posters/027_379.pdf) - [Similar pages](#)

### PDFJ The Engineer's Guide to Decoding & Encoding HANDBOOK SERIES

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.. **filter** causes less delay than the narrow band **filter**, and a ... band signal drives the 90 degree shifted **modulator** and so is known as the Q (**Quadrature**) signal. ...

[www.snellwilcox.com/knowledgecenter/books/books/edecod.pdf](http://www.snellwilcox.com/knowledgecenter/books/books/edecod.pdf) - [Similar pages](#)

### PDFJ Demonstrator for Phase 2 of Mobile Radio Consortium Specification

File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. 4.1.4 IQ **Modulator** The RF **modulator** board designed ... at 41.2 MHz related to **pass band** transconductance: 500 ... a demodulation of a differential **quadrature** PSK signal ...

[www.imit.kth.se/info/FOFU/INTELECT/GSPs/demonstrator.pdf](http://www.imit.kth.se/info/FOFU/INTELECT/GSPs/demonstrator.pdf) - [Similar pages](#)

### PICO MACOM MATV EQUIPMENT

.. channel • Passes adjacent channels • **Passband** 550 MHz ... The **modulator** is shipped with all internal ... differential gain and phase • **Quadrature** single tuned ...

[www.starkelectronic.com/pico1.htm](http://www.starkelectronic.com/pico1.htm) - 21k - [Cached](#) - [Similar pages](#)

### PDFJ Acrobat Distiller, Job 6

File Format: PDF/Adobe Acrobat

.. attractive for applying such filters in almost linear- phase IIR **quadrature filter** banks ... to monitor the group delay ripples both in the **filter passband** and its ...

[lolphin.wmin.ac.uk/~artur/pdf/Paper23.pdf](http://lolphin.wmin.ac.uk/~artur/pdf/Paper23.pdf) - [Similar pages](#)

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25	836	375/298	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/01 09:30
26	4	(pass adj band adj filter) and 375/298	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/01 09:31
27	9736	qam	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/01 10:29
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29	43560	pass near band adj filter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/01 09:45
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31	4028	quadrature adj modulat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/01 10:02
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41	56	(pass near band adj filter) and 455/91	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/01 12:42
42	37	(quadrature adj modulat\$4) and 455/91	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/01 12:42
43	3	((quadrature adj modulat\$4) and 455/91) and (pass near band adj filter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/01 12:43
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-	502	(quadrature adj modulat\$5) and (digital adj modulat\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 10:59
-	54	375/298 and ((quadrature adj modulat\$5) and (digital adj modulat\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 10:59
-	18	("5121412"   "5175514"   "5225795"   "5345406"   "5418818"   "5432483"   "5446423"   "5469475"   "5534827"   "5534828"   "5627499"   "5701106"   "5714916"   "5727024"   "5764171"   "5767750"   "5768315"   "5909460").PN.	USPAT	2004/09/28 13:00
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-	634	(sigma near delta) near modulator and second adj order	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 14:00
-	1	(375/298 and ((quadrature adj modulat\$5) and (digital adj modulat\$5))) and ((sigma near delta) near modulator and second adj order)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 13:48
-	2	((quadrature adj modulat\$5) and (digital adj modulat\$5)) and ((sigma near delta) near modulator and second adj order)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 13:48
-	810	(sigma near delta) near modulator near4 order	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 14:01
-	85	(digital adj modulat\$5) and ((sigma near delta) near modulator near4 order)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 15:03
-	2	((quadrature adj modulat\$5) and (digital adj modulat\$5)) and ((sigma near delta) near modulator near4 order)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 14:02
-	42237	band adj pass near filter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 15:10
-	493	(quadrature adj modulat\$5) and (band adj pass near filter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 15:14
-	84	375/298 and (band adj pass near filter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 15:40
-	1803	RF adj filter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 15:40
-	39	(quadrature adj modulat\$5) and (RF adj filter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 15:42
-	7	375/298 and (RF adj filter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 16:31
-	56416	power adj amplifier\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 16:32

-	885	(quadrature adj modulat\$5) and (power adj amplifier\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/28 16:33
-	230	375/298 and (power adj amplifier\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/28 16:33
-	92	(quadrature adj modulat\$5) and (375/298 and (power adj amplifier\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/28 16:48
-	318	amplitude adj modulation with power adj amplifier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/28 17:12
-	48	(quadrature adj modulat\$5) and (amplitude adj modulation with power adj amplifier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/28 16:51
-	26	(amplitude adj modulation) with (using near4 (power adj amplifier\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/28 17:44
-	13	(amplitude adj modulation) with (power adj supply near4 (power adj amplifier\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/28 17:48
-	11	4896372.pn. 3506920.pn. 3588744.pn. 3413570.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 08:21
-	173	(amplitude adj modulator) with (power adj amplifier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 08:39
-	836	375/298	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 08:25
-	3	((amplitude adj modulator) with (power adj amplifier)) and 375/298	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 08:25
-	4018	quadrature adj modulat\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 08:26
-	15	((amplitude adj modulator) with (power adj amplifier)) and (quadrature adj modulat\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 08:26
-	3	(amplitude adj modulator) with (power adj amplifier) with (quadrature near modulator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 08:43

-	14	(amplitude adj modulator) with (power adj amplifier) with mixer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 10:24
-	24	(power adj amplifier) with (dual adj gate adj FET)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 08:59
-	2	4465980.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 08:59
-	0	(amplitude adj modulator) with (power adj amplifier) with (dual adj gate adj FET)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 10:24
-	2	(amplitude adj modulator) with (dual adj gate adj FET)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 10:25
-	4018	quadrature adj modulat\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 11:04
-	1	(quadrature adj modulat\$5) and O/e and E/O with converter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 11:05
-	1	(quadrature adj modulat\$5) and O/e with converter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 11:08
-	720	O/e adj converter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 11:08
-	343	O/e adj converter and e/o adj converter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 11:09
-	836	375/298	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 11:12
-	1	(O/e adj converter and e/o adj converter) and 375/298	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 11:12
-	109	(O/e adj converter and e/o adj converter) and modulation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 11:51
-	16	(O/e adj converter and e/o adj converter) and QAM	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 12:23



-	1728	sigma adj delta adj modulator\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 12:25
-	1124	n adj th adj order	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 12:50
-	1	((sigma adj delta adj modulator\$1) and integrator and quantizer and feedback) and ((quadrature adj modulat\$5) and O/e and E/O with converter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 12:27
-	11	((sigma adj delta adj modulator\$1) and integrator and quantizer and feedback) and (n adj th adj order)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 12:27
-	4	((sigma adj delta adj modulator\$1) and integrator and quantizer and feedback) and (n near3 order adj integrator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 12:51
-	10	n near3 order adj integrator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 14:11
-	272	(sigma adj delta adj modulator\$1) and integrator and quantizer and feedback	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 13:10
-	40	(sigma adj delta adj modulator\$1) and integrator and quantizer and feedback and n adj4 order	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 13:11
-	30150	n near3 order	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 13:58
-	145	(sigma adj delta adj modulator\$1) and (n near3 order)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 13:59
-	25	n near3 order near3 integrator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 14:14
-	6	(sigma adj delta adj modulator\$1) and (n near3 order near3 integrator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 14:14
-	94072	low adj pass adj filter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 15:42
-	519	(sigma adj delta adj modulator\$1) and (low adj pass adj filter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 15:47

-	7	(quadrature adj modulat\$5) and ((sigma adj delta adj modulator\$1) and (low adj pass adj filter))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 15:42
-	4	375/298 and ((sigma adj delta adj modulator\$1) and (low adj pass adj filter))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 15:44
-	97	(sigma adj delta adj modulator\$1) with (low adj pass adj filter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 15:55
-	0	((sigma adj delta adj modulator\$1) with (low adj pass adj filter)) and (quadrature adj modulat\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 15:56
-	0	((sigma adj delta adj modulator\$1) with (low adj pass adj filter)) and 375/298	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 15:56
-	1	((sigma adj delta adj modulator\$1) with (low adj pass adj filter)) and QAM	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 17:05
-	18	("5121412"   "5175514"   "5225795"   "5345406"   "5418818"   "5432483"   "5446423"   "5469475"   "5534827"   "5534828"   "5627499"   "5701106"   "5714916"   "5727024"   "5764171"   "5767750"   "5768315"   "5909460").PN.	USPAT	2004/09/29 16:38
-	105	bit adj sigma adj delta adj modulator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 17:12
-	0	two-bits adj sigma adj delta adj modulator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 17:12
-	4	two-bit adj sigma adj delta adj modulator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 17:14
-	10	m-bit adj sigma adj delta adj modulator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 18:35
-	312	375/302	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 18:36
-	6	(sigma adj delta adj modulator\$1) and 375/302	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 18:35
-	215	375/300	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 18:37

-	2	(sigma adj delta adj modulator\$1) and 375/300	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 18:36
-	2353	375/295	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/29 18:37
-	31	(sigma adj delta adj modulator\$1) and 375/295	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/30 07:17
-	3	6717998.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/30 07:23
-	2	6563387.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/30 07:23